

**DUGWAY PROVING GROUND  
RESTORATION ADVISORY BOARD  
ENGLISH VILLAGE COMMAND CENTER CONFERENCE ROOM A**

**AUGUST 9, 2000  
6:30 PM  
Meeting Minutes**

The meeting of the Dugway Proving Ground Restoration Advisory Board (RAB) was held on Wednesday, August 9, 2000 at 6:30 p.m. in the English Village Command Center Conference Room A at Dugway Proving Ground, Utah. A copy of the Agenda is provided as Enclosure 1. Attendees are listed on Enclosure 2. Handouts are included under Enclosure 3.

**6:45 Welcome**

- A. The meeting was brought to order by Installation Co-chair, Joe Gearo. Guests and RAB members welcomed. This is the second official meeting of the RAB.
- B. RAB information binders were distributed to attending members. Binders are to aid in storing and organizing meeting and RAB materials.

**6:47 Acceptance of Meeting Minutes from May 17, 2000 RAB Meeting  
Joseph Gearo, Installation Co-chair**

Mr. Gearo made a motion to accept the May meeting minutes. Community member Marianne Rutishauser identified an error on page 3, under action item. Action item was inaccurately marked complete. The action called for generation and distribution of a RAB members list, including full names, e-mail addresses, addresses, and telephone and fax numbers. An incomplete member list was attached to the minutes. Request made to provide all requested information as part of the August meeting minutes.

**Action:** Generate RAB Member List and attach to August 9, 2000 meeting minutes.

**Comment:** Dugway is planning to add the RAB member list to the installation's Web page. The public will have access to the web page and RAB Member List.

**Motion:** Motion to accept the minutes made by Installation Co-chair Joe Gearo. Tony Flippo seconded the motion – Motion carried.

**6:50 Recap June 28 Committee Meetings  
Joseph Gearo, Installation Co-chair**

Mr. Gearo provided a recap of the June 28, 2000 Committee workshop.. Approximately 50% of RAB members were in attendance. The low turnout may have been, in part, due to the 4<sup>th</sup> of July holiday. Community Co-chair Royce Larsen led the meeting. The workshop was broken down into two parts. The first half of the meeting was spent discussing and establishing the four committees: procedural, membership, technical, and outreach. Some of the committees met prior to the workshop and provided a committee status update. One of the highlights of the meeting was the draft mission statement and charter that was distributed to attending members and mailed with the August 9, 2000 meeting announcement. Thank you to Marianne Rutishauser for typing the draft charter/mission statement. Royce will be discussing the charter and mission statement this evening. A copy of the draft charter and mission statement is located under tab one in the RAB binder.

The second half of the meeting consisted of a briefing by Scott Reed, Dugway Proving Ground Environmental Office, on the Installation's Restoration Program. The presentation provided members with a status on each of the Installation's Hazardous Waste Management Units (HMWU) and Solid Waste Management Units (SWMU), including, cleanup stage, funding, cleanup schedule, etc. A question and answer period followed.

In the future the Installation plans to coordinate a tour of several sites.

**Comment:** Royce Larsen, Community Co-chair. I thought the presentation was very informative. We discussed 45 sites. Scott physically explained where each site was located and each sites status. Prior to the workshop, the Technical Committee thought it would be beneficial to have the projected cost of investigation and cleanup for each of the sites. After the workshop it was determined that we should be focusing on the methods and technology of the sites and not the actual cost of cleanup. The Technical Committee feels that cost of cleanup is not a critical issue and should be considered as a secondary issue when discussing cleanup.

No action taken.

**6:50 Identify RAB Mission Statement and RAB Operating Procedures**  
**Royce Larsen, Community Co-chair**

Community Co-chair Royce Larsen made a presentation on the draft mission statement and charter. The Board reviewed the charter and discussed several areas of concern. Areas warranting further discussion, clarification or amending were identified. The Procedural Committee will need to meet and discuss the following issues:

1. Add meeting notification text to include Cable Channel 13 and postcard notification to members on the Installation's environmental mailing list.
2. Are RAB members allowed to send alternates in their place, and does the alternate have voting power?
3. Should provisions be included for a minimum number of members on the RAB?
4. Address "special focus meetings" as to whether they should be considered open, public meetings, and consider that, due to expense and coordination efforts, advertisements for these meetings can be done only via the newspaper.
5. Should the definition of "attendance" be better defined? (i.e., How many consecutive meetings should be included for attendance purposes? Only quarterly meetings? Should special focus meetings count? Excused absence?).
6. Should charter better define how the RAB members communicate with the public in a way that fulfills the mission statement?
7. Should "ex-officio" as specified in Section V, paragraph F be defined?

Some approved changes to the charter were made during the meeting's discussion period and a draft copy is attached. Further discussion and changes will be made prior to the next RAB meeting .

**7:42 – 7:50 BREAK**

**7:50 Installation Restoration Program (IRP) Overview**  
**Scott Reed, Restoration Program Manager, Dugway Proving Ground**

Scott Reed discussed a few administrative items prior to discussing the IRP Overview.

- The installation has made approximately \$20,000 available in Technical Assistance for Public Participation (TAPP) funding for the RAB. TAPP is a DOD program designed to

provide RABs with technical assistance to better help them understand the environmental restoration process.

- Dugway is in the process of soliciting a new RAB administrative support contract. The current contract will expire in October. We would like the RAB to identify any administrative support needs for contract consideration.

Scott Reed made a presentation on the military's cost-to-complete schedule. The schedule is used to forecast the installation's funding needs for its environmental restoration program. Shading in gray represents approved funding. The installation is currently operating in fiscal year (FY) 2000. Beginning October 1, 2000, the installation will be operating under FY01. The cost-to-complete forecast extends to 2062.

Q. (Harry Shinton, Tooele County Sheriff – Hazardous Materials Division) Is your budget for FY01 established and firm? It starts October of this year.

A. (Scott Reed, Dugway Proving Ground) The Army is reviewing the forecasted budget. They cannot release the budget until Congress approves it. The installation operates on a continuing resolution with minimal money during the first quarter. The money is usually approved and available sometime during the first quarter.

Q. (Harry Shinton, Tooele County Sheriff – Hazardous Materials Division) So, the continuing resolution allows you to carry out what you forecasted?

A. (Scott Reed, Dugway Proving Ground) The continuing resolution allows us to continue our oversight under the continuing resolution authority. It does not allow us to start a new site. We can continue with programs that are ongoing, but cannot spend money on new sites.

Q. (Harry Shinton, Tooele County Sheriff – Hazardous Materials Division) Is there anything we can do as citizens, or members of the RAB to expedite or assist you in receiving your funding needs?

A. (Scott Reed, Dugway Proving Ground) We do not have any funding problems at this point in time. The installation has not encountered any problems with the program due to lack of funding.

No Action Taken ?

**8:05 Installation Restoration Program Update  
RCRA Facility Investigation (RFI) Sites  
Solid Waste Management Units (SWMUs)  
Paul Hubickey, Parsons Engineering Sciences**

Mr. Hubickey made a presentation to the Board on the RFI SWMU process. SWMUs are ranked according to priority. Conceptual site models are developed to collect data and evaluate methods for cleaning up sites. The conceptual groundwater model between the area of the Ditto and Carr facilities shows that the shallow aquifer is not hydrologically connected to the deeper potable aquifer. Future activities include fieldwork at 2A and 3A sites, develop Health Risk Assessment, perform Ecological Risk Assessment, and complete and implement Corrective Measures.

Q. (Tony Flippo, Tooele Community Member) Did I misunderstand you when you said the groundwater in the Ditto/Carr area does not correspond to the model?

A. (Paul Hubickey, Parsons) We are going to collect data to prove our case. We suspect that it is protected in the Ditto and/or Carr area.

Q. (Tony Flippo, Tooele Community Member) In your opinion how accurate is the model -- 90%?

A. (Paul Hubickey, Parsons) Yes.

**Comment:** (Scott Reed, Dugway Proving Ground) Right now we have enough initial data to support the theory shown on the model. Now we need to close some data gaps. In other words, if we do not believe that we have enough samples from a particular area, we are going to go out and pull 2 or 3 more samples to prove what we are finding. It was a surprise to us, but there appears to be about a 50-foot-thick clay layer that is protective of the rock. Right now we are about 90% confident that is what the model looks like, but we have to be able to prove it at each site. There appears to be some data gaps, particularly in the area of 79 where the lithology is very rock. It is very difficult to collect the data there so other technologies will be brought in to collect the data.

**8:20 Installation Restoration Program Update**  
**Consent Order Sites**  
**Hazardous Waste Management Units (HWMU)**  
**Jeff Ogawa, IT Corporation**

Mr. Ogawa discussed closure activities at sites HWMUs 33, 36, 37, 38, 42, 48, 63-2, 128, 130, investigative activities at HWMU 47, and groundwater monitoring activities for FY00. A packet consisting of field activity schedules, Closure Proposals for HWMU 33, HWMU 36, and HWMU 48, and descriptions of scopes of work for field investigations at HWMU 42 and HWMU 63-2, was distributed to attendees. Closure proposals are documents submitted to UDEQ that outline the major components of the closure approach and activities that will be implemented at these sites to help close them.

*HWMU 37 – Ditto Landfill*

Q. (Tony Flippo, Tooele Community Member) Is this the large dump area that is fenced?

A. (Jeff Ogawa, IT Corporation) Yes. The area is comprised of 19 acres.

Q. (Tony Flippo, Tooele Community Member) The gate is open.

A. (Jeff Ogawa, IT Corporation) Yes. We are conducting fieldwork in the area.

Q. (Joe Gearo, Installation Co-chair) Jeff, what types of laboratory wastes are located at HWMU 37?

A. (Jeff Ogawa, IT Corporation) Bottles, vials most likely chemical laboratory waste.

A. (Chris Prescott, USACE) We do not know exactly. There are not many records from that time. But we do know what types of facilities operated at the time, and they had to dispose of the waste somewhere.

*HWMU 38 – Ditto Decontamination Pad*

Q. (Jennifer Saran, Stansbury Park Community Member) Are most of your standards based on the drinking water standards?

A. (Jeff Ogawa, IT Corporation) I believe it is 3,000 parts-per-million.

*HWMU 47 – Sewage Lagoons South of Fries Park*

Q. (Jennifer Saran, Stansbury Park Community Member) What specific concentration levels are considered hazardous for soils?

A. (Jeff Ogawa, IT Corporation) There are different definitions of hazardous. We follow the State of Utah standards -- typically TCLP.

**8:40 Questions and Discussion**  
**Open**

1. An Information Repository for Dugway Proving Ground environmental restoration documents and minutes of RAB meetings is currently being set up at the Tooele Chemical Stockpile Outreach Center and Marriott Library at the University of Utah. An Administrative Record with the same documents will be established at the installation's environmental offices. We will begin submitting documents to the

Outreach office August 10, 2000, and the U of U Library shortly thereafter. In the November meeting, RAB Members will be provided with a list of documents in the repositories that are available for review. UDEQ is copying many of their environmental documents onto CD format, and plans to make them available on the worldwide web. The installation will make the CDs available through the installation's Administrative Record.

2. Q. (Adam Kozcowski, University of Utah) Are any provisions being made to protect the wildlife on Dugway?

A. (Scott Reed, Dugway Proving Ground) Yes. Provisions have been made for the kit fox. We also closely monitor the wildlife whenever we begin any field activity.

Q. (Adam Kozcowski, University of Utah) I wondered if any provisions have been made to study the wildlife?

A. (Scott Reed, Dugway Proving Ground) We work with the U.S. Fish and Wildlife, the State, and EPA to address what effects field work activities and remediation technologies will have on the ecological system.

3. Installation Co-chair, Joe Gearo announced that copies of the 2000 DPG Installation Action Plan were available at the meeting. The IAP document is updated annually.

4. Q. (Marianne Rutishauser, Tooele County Emergency Management) Would it be possible to receive a glossary and acronym list?

A. (Randi Nelson, Kleinfelder, Inc.) We are in the process of developing a glossary.

A. (Chris Prescott, USACE) All of our workplans include a list of acronyms.

#### **8:58 Set Next Meeting.**

The next meeting of the RAB is scheduled for Wednesday, November 8, 2000 at 6:30 at Dugway Proving Ground. Board approved.

#### **9:02 Meeting adjourned.**

Attachments (handouts):

- 1 Agenda
- 2 Attendance Roster
- 3 Handouts
- 4 Revised Draft Charter
- 5 RAB Member Information List



# AGENDA

## DUGWAY PROVING GROUND RESTORATION ADVISORY BOARD

### ENGLISH VILLAGE – COMMAND CONFERENCE ROOM

**AUGUST 9, 2000  
6:30 PM**

| <b>TIME</b> | <b>ACTIVITY</b>  | <b>SPEAKER</b>                              |
|-------------|--|---|
| 6:30 – 6:35 | Welcome  | Dugway Co-Chair<br>Mr. Joseph Gearo         |
| 6:35 – 6:40 | Acceptance of Meeting Minutes from May 2000 RAB Meeting  | Dugway Co-Chair<br>Mr. Joseph Gearo         |
| 6:40 – 7:05 | Recap June 28 Committee Meetings <ul style="list-style-type: none"> <li>• Procedural Committee</li> <li>• Membership Committee</li> <li>• Technical Committee</li> <li>• Outreach Committee</li> </ul> | Dugway Co-Chair<br>Mr. Joseph Gearo         |
| 7:05 – 7:20 | Identify RAB Mission Statement   | Community Co-Chair<br>Mr. Royce Larson      |
| 7:20 – 7:35 | Identify RAB Operating Procedures  | Community Co-Chair<br>Mr. Royce Larson      |
| 7:35 – 7:45 | Installation Restoration Program (IRP) Overview  | Dugway Proving Ground<br>Mr. Scott Reed     |
| 7:45 – 8:00 | Installation Restoration Program Update <ul style="list-style-type: none"> <li>➤ RCRA Facility Investigation (RFI) Sites</li> <li>Solid Waste Management Units (SWMUs)</li> </ul>                      | Parsons Engineering Science<br>Mr. Ed Staes |
| 8:00 – 8:15 | Installation Restoration Program Update <ul style="list-style-type: none"> <li>➤ Consent Order Sites</li> <li>Hazardous Waste Management Units (HWMUs)</li> </ul>                                      | IT Corporation<br>Mr. Jeff Ogawa            |
| 8:15 – 8:25 | Questions and Discussion   |   |
| 8:25 – 8:30 | Set Next Meeting Date  |   |



**Attendance Roster**  
**DUGWAY PROVING GROUND**  
**RESTORATION ADVISORY BOARD**  
**ENGLISH VILLAGE – COMMAND CONFERENCE ROOM**

**Wednesday, August 9, 2000**

| <b><u>NAME</u></b>            | <b><u>AFFILIATION</u></b>   | <b><u>PHONE &amp; FAX NUMBER</u></b>     |
|-------------------------------|---|--|
| <b>INSTALLATION COMMANDER</b> |   |  |
| Col Fisher, Edward            | DPG Commander   | Ph: (435) 831-3701<br>Fx: (435) 831-3713 |
| <b>CO-CHAIRS</b>              |   |  |
| Gearo, Joseph R. Jr.          | DPG Co-Chair<br>Director – Directorate of<br>Environmental Programs | Ph: (435) 831-3560<br>Fx: (435) 831-3563 |
| Larsen, Royce                 | RAB Co-Chair<br>DPG – Community Activities                          | Ph: (435) 831-2352<br>Fx: (435) 831-2152 |
| <b>COMMUNITY MEMBERS</b>      |   |  |
| Denman, Vernon                | Dugway Resident<br>DPG Security                                     | Ph: (435) 831-4150                       |
| Fendt, David                  | Stansbury Park Resident   | Ph: (435) 882-3574                       |
| Flippo, Tony                  | Tooele Resident   | Ph: (435) 533-953                        |
| McNiel, Robert                | Dugway Resident   | Ph: (435) 831-7052<br>Fx: (435) 831-7075 |
| Merritt, Michael              | Dugway Resident   | Ph: (435) 831-3841<br>Fx: (435) 831-5207 |
| Mohammed, Abraham             | Dugway Resident<br>Retired  | Ph: (435) 831-4214                       |
| Saran, Jennifer               | Stansbury Park Resident   | Ph: (435) 843-1318<br>Fx: (435) 843-1319 |
| Wall, Carl                    | Skull Valley Resident<br>Ensign Ranches Skull Valley                | Ph: (435) 831-6013<br>Fx: (435) 831-6014 |



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| <b>NAME</b>                        | <b>AFFILIATION</b>                                       | <b>PHONE &amp; FAX NUMBER</b>            |
|------------------------------------|--|--|
| <b>LOCAL GOVERNMENT MEMBERS</b>    |  |  |
| Rutishauser, Marianne              | Tooele County Emergency Management                       | Ph: (435) 843-3263<br>Fx: (435) 882-7036 |
| Shinton, Harry                     | Tooele County Local Emergency Planning Council           | Ph: (435) 882-5600<br>Fx: (435) 882-6417 |
| <b>STATE &amp; FEDERAL MEMBERS</b> |  |  |
| Diede, Larry                       | US EPA, Region VIII Project Manager                      | Ph: (303) 312-6428<br>Fx: (303) 312-6064 |
| Larsen, David                      | UDEQ DSHW Project Manager                                | Ph: (801) 538-6749<br>Fx: (801) 538-6715 |
| <b>RAB SUPPORT</b>                 |  |  |
| Hargrave, Linda                    | US EPA– Community Involvement Coordinator                | Ph: (303) 312-6608                       |
| Henderson, Vicky                   | USACE – Sacramento District Contractor, Engineering Tech | Ph: (916) 557-6628<br>Fx: (916) 557-7865 |
| Nelson, Randi                      | Kleinfelder, Inc. Public Participation Specialist        | Ph: (775) 689-7800<br>Fx: (707) 689-7810 |
| Prescott, Chris                    | USACE – Sacramento District Project Manager              | Ph: (916) 557-7227<br>Fx: (916) 557-7865 |
| Reed, Scott                        | DPG Environmental Office                                 | Ph: (435) 831-3592<br>Fx: (435) 831-3563 |
| <b>PUBLIC ATTENDEES</b>            |  |  |
| Paul Hubickey                      | Parsons  | Ph: (801) 572-5999                       |
| Jeff Ogawa                         | IT Corporation   | Ph: (925) 288-2252                       |
| Michelle Weis                      | UDSHW  | Ph: (801) 538-9408                       |
| Lou Stout                          | IT Corporation   | Ph: (925) 288-2341                       |
| Grant Price                        | Community Member   | Ph: (435) 831-4129                       |
| Adam Kozcowski                     | Utah State Utah  | Ph: (435) 831-4350                       |